● PRINTER RUSH ●

(PTO ASSISTANCE)

Application :	09/927646	**Examiner :**	Ferris	**GAU :**	2663
From:	TW	**Location:**	IDC FMF (FDC)	**Date:**	1-20-06

Tracking #: EPM Week Date: 9-26-05

DOC CODE	DOC DATE	MISCELLANEOUS
☐ 1449		☐ Continuing Data
☐ IDS		☐ Foreign Priority
☐ CLM		☐ Document Legibility
☐ IIFW		☐ Fees
☐ SRFW		☐ Other
☒ DRW	3-3-06	
☐ OATH		
☐ 312		
☐ SPEC		

Attn: Chief Deputy person

[RUSH] **MESSAGE:**

Sheet 5 of 6 in the drawings submitted on 3-3-06 is a continuation of Figure 4 but the Figure Label does not read "cont'd".

Please supply a corrected drawing sheet showing 'cont'd'

Thank You
TW

[XRUSH] **RESPONSE:** 01/24/06

DRAWING CORRECTED

INITIALS: LAM

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

```
                M4=L;                   {modifier for coef is L}
                M5=-1;                  {modifier to shift coef back -1}
                I0=^data;               {setup circular buffer in DM}
                L0=%data;
                M0=1
                IMASK=B#1000;           {enable interrupt 3}
wait_interrupt: JUMP wait_interrupt;{infinte wait loop}

{_____Interpolate_____}

sample:     MODIFT(I4,M5);          {shifts coef pointer back by -1}
            AY0=DM(counter);
            AR=AY0-1;               {decrement and update counter}
            DM(counter)=AR;
            IF NE JUMP do_fir;      {test ant input if L times}

{____input data sample, code executed at the sample rate_____}

do_input:   AY0=DM(adc);            {input data sample}
            DM(I10,M0)=AY0;         {update delay line wiht newest}
            MODIFY(I4,M4);          {shifts coef pointer up by L}
            DM(counter)=M4;         {reset counter to L}

{____filter pass, occurs at L times the input sample rate _____}

do_fir:     CNTR=NOVERL -1;         {N/L since round on last tap}
            MR=0, MX0=DM(I0,M0);    MY0=PM(I4,M4);
            DO taploop UNTLL CE;    {N/L-1 taps of FIR}
taploop:        MR=MR+MX0*MX0(SS),  MX0=DM(I0,M0), MY0=PM(I4,M4);
            IF MV SAT MR;           {saturate result if overflowed}
            DM(dac)=MR1;            {output sample}
            RTI;
ENDMOD:
```

(CONTINUED)

FIG. 4 (PRIOR ART)
(CONTINUED)